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Derya Olgen

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EXAMINER

YOUSSEF, ADEL Y

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/583,393	Applicant(s) OLGEN, DERYA	
	Examiner ADEL YOUSSEF	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 3, 4, 7, 11-18, 20-25, 27, 28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,4,7,11-18,20-25,27 and 28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to the arguments filed on 08/24/2009. This action is made **FINAL**.

Response to Arguments

Applicant's arguments with respect to claims 1, 3, 4, 7, 11-18, 20-25, 27, 28 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 3, 4, 7, 11-18, 20-25, 27, 28, are rejected under 35 U.S.C. 103(a) as being unpatentable over Mankovitz et al. (Patent No: 5134719) in view of Okamoto et al. (EP 1043851).

Regarding claim 1, Mankovitz teach an apparatus comprising: means for detecting a plurality of radio stations broadcast within said a spectrum of frequencies (Antenna, column 1, lines 15-20, column 2, lines 5-11); means for decoding (radio player, column 4, lines 64, 65), for each of a plurality of detected radio stations (column 9, lines 39, 40, see figure 4), at least one piece of

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supplementary information broadcast in conjunction with the plurality of radio stations, the at least one piece of supplementary information (column 6, lines 28-34, Mankovitz teach FM broadcast station frequencies in the United States, see figures 1 and 4) comprising except for an associated radio station name; means for receiving a search criterion, the search criterion comprising a partial or complete name of a radio station; means for generating a radio station name set, including at least one radio station name by matching the search criterion with the supplementary information ; means for controlling a display to display the radio station name set, including the at least one radio station name, generated by matching the search criterion with the supplementary information and means for receiving a user selection of a radio station name, the user selection being from one of the radio station name set displayed on the display and generated by matching the search criterion with the supplementary information of radio stations whose supplementary information matches said search criterion, and selecting one of the set of radio stations from the supplementary information displayed on the display means.

However Okamoto teach radio station name (see figure 3, "BBC" station name); means for receiving a search criterion , the search criterion (matching the broadcast radio wave, paragraph 21) comprising a partial or complete name of a radio station (paragraphs 9, 40, see figure 5A, 5B, shows that list of ensemble "station" names); means for generating a radio station name set, including at least one radio station name by matching the search criterion (Key Operations) with the supplementary information "information on the program" (paragraphs 8, 9, and 10,

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that match the frequencies to the stations as AM, FM) ;means for controlling a display (microcomputer #31, see figure 1) to display the radio station name set (figure 3), including the at least one radio station name (BBC, see figure 3), generated by matching the search criterion(Key Operations) with the supplementary information "information on the program"(paragraphs 8, 9, that match the frequencies to the stations as AM, FM) and means for receiving a user selection (KM, paragraph 29) of a radio station name, the user selection being from the radio station name set displayed on the display (LCD#32, see figure 1) and generated by matching the search criterion with the supplementary information (see paragraphs 13, 14, see figures 1, 3, 5A).Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the method of Mankovitz to include at least one piece of supplementary information associated with the set of radio stations whose supplementary information matches the search criterion are configured to be displayed taught by Okamoto in order to display information from the controller thereby display position information for that station name.

2. (Cancelled).

Regarding claim 3, Okamoto further teach an apparatus as claimed in claim 20, further comprising a display configured to for concurrently display a plurality of

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radio station names from the radio station name set (paragraph 37, see figure 8).

Regarding claim 4, Okamoto further teach an apparatus as claimed in claim 20, further comprising a display, wherein the display is configured to display only one radio station name from the radio station name set (paragraph 31, see figure 3).

5-6. (Cancelled).

Regarding claim 7, Okamoto further teach an apparatus as claimed in claim 20, wherein said the radio station name set generated by matching the search criterion (Key Operations) with the supplementary information “information on the program” (paragraphs 8, 9, and 10, that match the frequencies to the stations name as AM, FM) matches comprises a plurality of different radio station names (paragraph 48, 49, see figures 8, 13).

8-10. (Cancelled).

Regarding claim 11, Mankovitz further teach an apparatus as claimed in claim 20, wherein the apparatus further comprises scanning circuitry configured to scan the spectrum of frequencies, and said selection circuitry is configured to interrupt said scanning circuitry in response to a user selection of a radio station name (mobile user, column3, 48-62, see figure 4, teach selected musical selection identification information, and for recalling such information at a later

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time” interrupt”, to facilitate the purchase of the album containing that selection and musical selection with sufficient accuracy to enable the subsequent purchase of the album containing that selection).

Regarding claim 12, Mankovitz further teach an apparatus as claimed in claim 20, wherein the supplementary information conforms to at least one of the Radio Data System standard and the Radio Broadcasting Data System standard(column 1, lines 45-50, column 3, lines 15-21).

Regarding claim 13, Mankovitz further teach an apparatus as claimed in claim 20, further comprising receiving circuitry configured to receive for receiving the radio station signals and decoding circuitry configured to decode radio station signals (column 4, lines 64, 65).

Regarding claim 14, Mankovitz further teach an apparatus as claimed in claim 13, wherein the radio station signals comprise audio signals and the apparatus comprises a speaker configured to provide for providing the an audio signal to a user (speaker, column 1, lines 45-50, column 2, lines 11-13).

Regarding claim 15, Mankovitz further teach an apparatus as claimed in claim 13, wherein the radio station signals comprise frequency modulated signals (column 2, line 16, see figure 1).

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Regarding claim 16, Mankovitz further teach an apparatus claimed in claim13, wherein the radio station signals comprise amplitude modulated signals (column 2, line 16, 35-40, column 3, and lines 6-10).

Regarding claim 17, Mankovitz further teach an apparatus as claimed in claim 1, further comprising: means for storing the at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations and information relating to a broadcast frequency of each of the plurality of the radio stations (Memory, column 1, lines 66-68, column 2, lines 4-6, column 3, lines 50, 65).

Regarding claim 18, Mankovitz teach a method comprising: scanning a spectrum of frequencies (column 10, lines 4, 5); detecting a plurality of radio stations broadcast within said spectrum of frequencies(column 1, lines 15-20, column 2, lines 5-11); decoding for each of a plurality of detected radio stations (column 4, lines 64, 65, see figure 4) except for the supplementary information comprising an; receiving a search criterion, the search criterion comprising a partial or complete name of a radio station (paragraph 29, see figure 3, "BBC" station name); filtering the supplementary information to generate a set of radio stations whose supplementary information matches the search criterion (paragraphs 71, 72, see figure 4) ; displaying the set of radio stations whose supplementary information matches the search criterion (paragraph 31); receiving a selection of one of the set of radio stations whose supplementary

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information matches the search criterion (paragraphs 8, 9, and 10, that match the frequencies to the stations name as AM, FM); and selecting the selected one of the set of radio stations whose supplementary information matches the search criterion (paragraph 9, 13, that the operation of the decision key for a result of the selection, a program corresponding to the selected item is selected). Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the method of Mankovitz to include at least one piece of supplementary information associated with the set of radio stations whose supplementary information matches the search criterion are configured to be displayed taught by Okamoto in order to display information from the controller thereby display position information for that station name.

19. (Cancelled).

Regarding claim 20, Mankovitz teach an apparatus comprising: detection circuitry configured to detect for detecting a plurality of radio stations broadcast within a spectrum of frequencies(column 1, lines 15-20, column 2, lines 5-11); decoding circuitry configured to decode (column 4, lines 64, 65), for each of a plurality of detected radio stations(column 1, lines 15-20, column 2, lines 5-11), at least one piece of supplementary information broadcast in conjunction with the plurality of radio stations(column 9, lines 39, 40, see figure 4) , the at least one piece of supplementary information comprising an associated radio station name (column 6, lines 28-34, teach FM broadcast station frequencies in the United

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States, see figures 1 and 4); except for input circuitry configured to receive a search criterion, the search criterion comprising a partial or complete name of a radio station (paragraph 29, see figure 3, "BBC" station name); filtering circuitry configured to generate a radio station name set (paragraphs 20, 21), including at least one radio station name, by matching the search criterion (Key operations), (paragraphs 8, 9, and 10, that match the frequencies to the stations name as AM, FM) with the supplementary information control circuitry configured to control a display (KM, paragraph 29) to display the radio station name set (paragraph 31, see figure 3), including at least one radio station name, generated by matching the search criterion with the supplementary information (paragraph 29) ; and selection circuitry configured to receive a user selection of a radio station name (paragraph 13), the user selection being from the radio station name set displayed on the display (LCD#32, see figure 1) and generated by matching the search criterion with the supplementary information (paragraphs 73, 74) .

Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention to modify the method of Mankovitz to include at least one piece of supplementary information associated with the set of radio stations whose supplementary information matches the search criterion are configured to be displayed taught by Okamoto in order to display information from the controller thereby display position information for that station name.

Regarding claim 21, Okamoto further teach an apparatus as claimed in claim 20 further comprising: memory (#311, see figure 1) for storing the at least one piece

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of supplementary information broadcast in conjunction with the plurality of radio stations and information relating to a broadcast frequency of each of the plurality of the radio stations (paragraphs 25, 33, see figures 1, 4).

Regarding claim 22, Okamoto further teach a computer program product comprising at least one tangible computer-readable memory (#311, see figure 1) having computer-readable program instructions stored therein, the computer-readable program instructions configured to instruct a computer to carry out a method, comprising: receiving a search criterion, the search criterion (Key operations) (paragraphs 8, 9, and 10, that match the frequencies to the stations as AM, FM) comprising a partial or complete name of a radio station (paragraphs 28, 29); generating a radio station name set including at least one radio station name (see figure 3, "BBC" station name) by matching the search criterion with at least one piece of supplementary information broadcast in conjunction with a plurality of radio stations (paragraphs 37, 38, see figure 8), wherein each piece of supplementary information comprises an associated radio station name (paragraphs 29, 31); and receiving a user selection of a radio station name, the user selection being from the radio station name set displayed on the display and generated by matching the search criterion with the supplementary information (paragraphs 73, 74, see figures 5a,13).

Regarding claim 23, Okamoto further teach a method as claimed in claim 18, further comprising concurrently displaying a plurality of radio station names from

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the radio station name set (paragraph 37, see figure 8).

Regarding claim 24, Okamoto further teach a method as claimed in claim 18, further comprising displaying only one radio station name from the radio station name (paragraph 31, see figure 3).

Regarding claim 25, Okamoto further teach a method as claimed in claim 18, wherein the radio station name set generated by matching the search criterion with the supplementary information, comprises a plurality of different radio station names (paragraph 48, 49, see figures 8, 13).

26. (Cancelled).

Regarding claim 27, Okamoto further teach an apparatus as claimed in claim 13, wherein the selection circuitry is configured to control, in response to user selection of a radio station name, the receiving circuitry to receive a radio station signal associated with the radio station name selected by the user (paragraphs 71, 74, see figures 8, 11).

Regarding claim 28, Okamoto further teach a method as claimed in claim 18, further comprising controlling, in response to user selection of a radio station name, receiving circuitry to receive a radio station signal associated with the radio station name selected by the user (paragraphs 14, 22, see figures 3, 5a).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Any response to this Office Action should be **faxed** to (571) 273-8300 or **mailed to:**

Commissioner for patents
P.O.Box1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window

Randolph Building

401 Dulany street

Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adel Y. Youssef whose telephone number is 571-270-3525. The examiner can normally be reached on Monday to Thursday 8am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ANDERSON MATTHEW can be reached on (571)272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ADEL YOUSSEF/

Examiner, Art Unit 2618

/Matthew D. Anderson/

Supervisory Patent Examiner, Art Unit 2618